Missouri Botanical Garden

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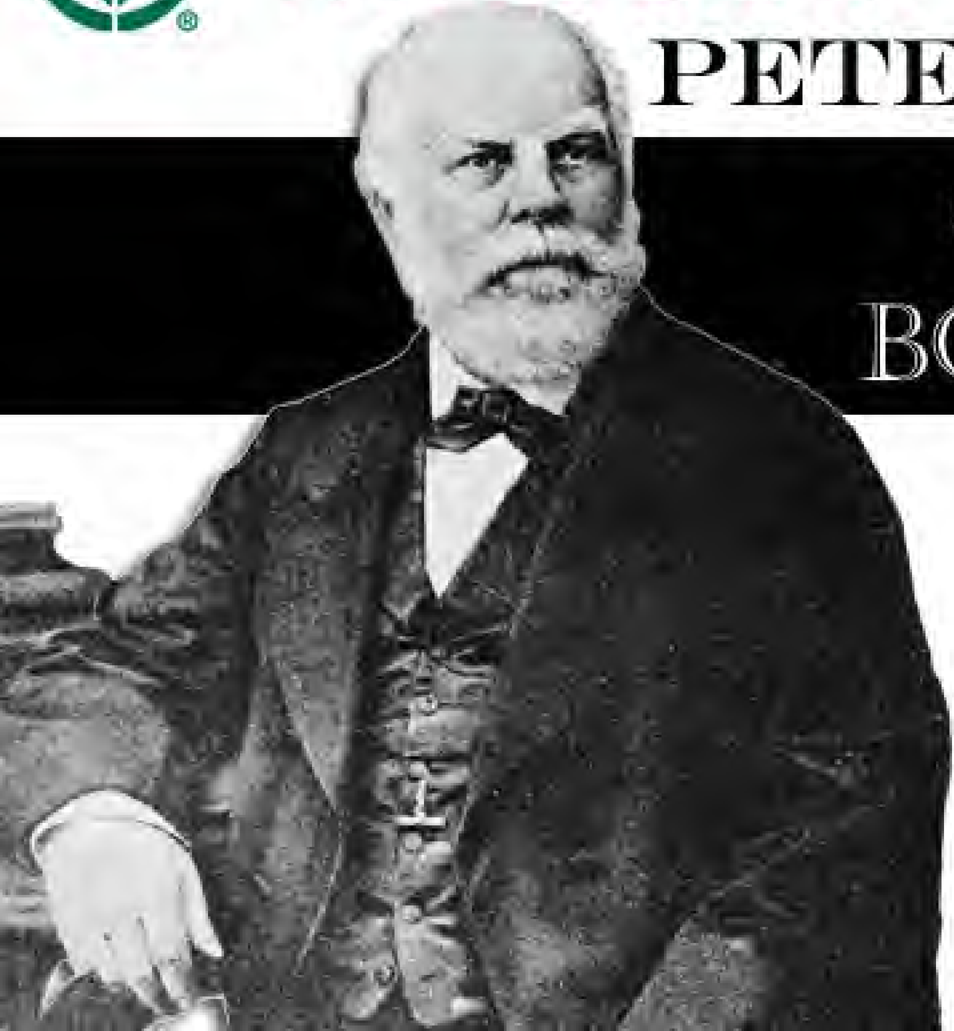
GEORGE ENGELMANN BOTANICAL NOTEBOOKS

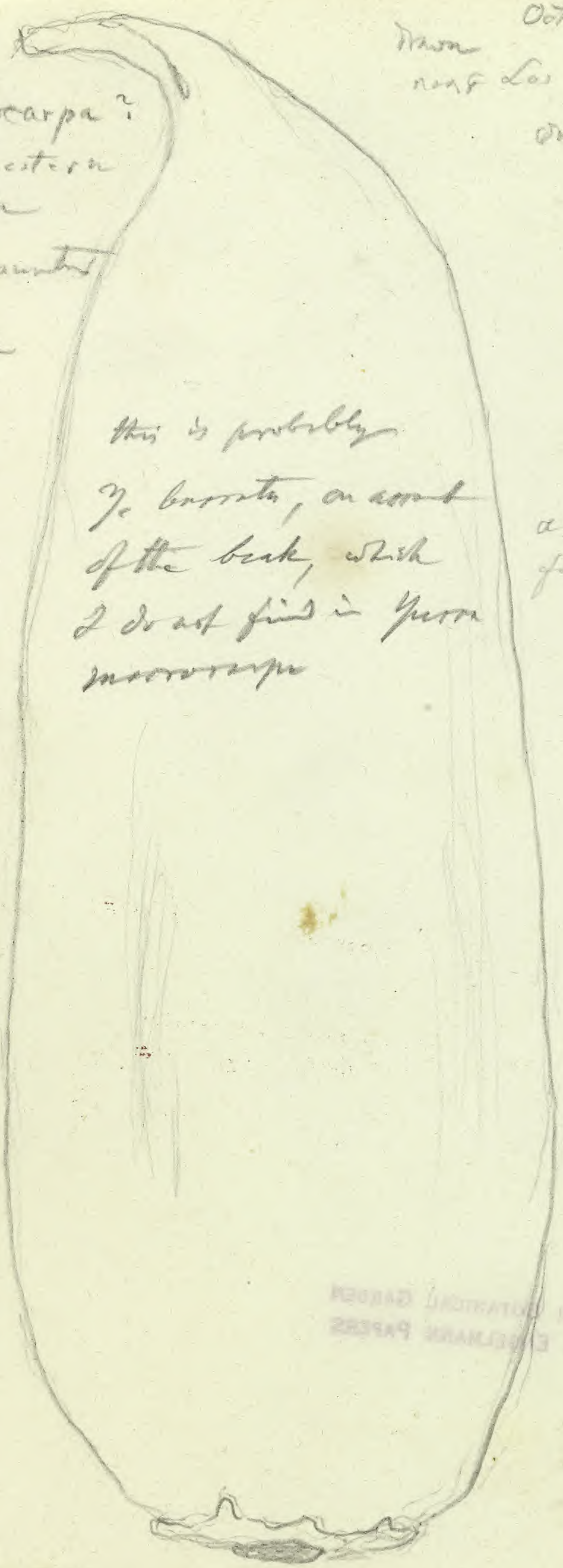


Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Oct 2d 1880

Drawn near Los Angeles on the Cars

Yucca ~~sclero~~ macrocarpa ?
from the western slope of the Pinal Mountains north of the Gila



this is probably Y. baccata, on account of the beak, which I do not find in Yucca macrocarpa

all ribs and furrows nearly obliterated

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Yucca macrocarpa p. 224 has been collected by C. G. Pringle in flow.
The panicle, 9 ~~ft [illegible]~~, is densely pubescent; ~~the~~
flowers white, about 2½ – 3½ inches in diameter with
broadly oval acutish segments. — Yucca baccata has a
glabrous panicle and larger flowers, but with
narrower acute segments. ~~[illegible]~~ Y. Schottii Eng. Yucca p. 46
from Arizona is known only from Schott's very poor sp. ex [illegible]
~~it has also a pubescent pan~~ and has never been seen since
~~and [illegible]~~ It has also a pubescent panicle and
is distinguished by very short and thick leaves with
few and thin fibres; ~~I suppose~~ it may possibly prove
to be a small leaved form of macrocarpa which also
shows occasionally a few thin fibres on the leaves.

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Missouri Historical Society
Monthly meeting Thursday Jan 26
at 8 P. M. 7th & Chesnut
Election of officers
Presentation — Portrait Dr J. N. McDowell
address by Dr Hodgen

E. Harrison
Pres

E. P. Walsh
Secy

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Botan Gazette
June 1881

pubescent

YUCCA MACROCARPA, n. sp. Trunk several (1–4) feet high; leaves spreading, sharp pointed, concave, with entire margins; panicle subsessile with lanceolate, white, fleshy bracts; flowers not seen; fruits cylindrical not marked by any ridges, obtuse, pale yellowish, pulpy (4–6 inches long, 6–7 in circumference); seeds thick and large (5–6 lines wide, 1–1¼ lines thick), rugose-runcinated.

In ravines of the Santa Rita Mountains south of Tucson, Arizona. – Evidently closely allied to *Y. baccata*, Torr., which is found from Southern Colorado all along through Arizona to Southern California; distinguished from it by the the absence of fibres on the leaf-edges (I have rarely seen on one or the other thin fibre detached from the edge, just as we find it sometimes in *Yucca gloriosa*, and *Y. canaliculata*, which ordinarily have entire edges), by the smaller, narrow bracts, and the obtuse, not rostrate fruit. The fruit is of the color of a yellow apple, rather pulpy, of a pleasant sweetish acidulous taste.

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Yucca macrocarpa   Sept 25. 26 1880

Common in the Cañons of Sta Rita Mtns

Trunk 1-3 feet high ; leaves 15-18 inches long

broad, concave (channelled) margin

tip sharply spinous, spine [illegible] long

deep brown. Scape 32" long with the

branches pubescent; bracts lanceolate 4-6

inches long panicle 24 inches long, compact

9" wide — branchlets lowest 1-3 inches long

largest fruit 5-6" long 7 in circumference, cylindrical,

scarcely marked by the 3 flat faces, oblong,

obtuse, green at this time and falling, ~~but~~

~~scarcely~~ ripe

[illegible] — [illegible] — [illegible], [illegible]

[illegible] [illegible], Castan–! Sarg[illegible]

Sa 2 Oct. Frühstück i Colton, Wright der [illegible]

192 [illegible] — [illegible] [illegible] [illegible]

So 3 [illegible] [illegible] [illegible] — [illegible]

[illegible] i S. F. [illegible] [illegible]

Mo 4 S. Fr. Acad. [illegible], Rachel [illegible]

[illegible] [illegible] — [illegible] [illegible]

Di 5 [illegible], Academy, Brief

Mi 6 [illegible] [illegible] [illegible] [illegible], Pflanzen, Academy — bei [illegible] — [illegible] in Berkeley, [illegible] — [illegible] Sargent [illegible].

Do 7 [illegible]. Photogr. Berkeley mit Sargent

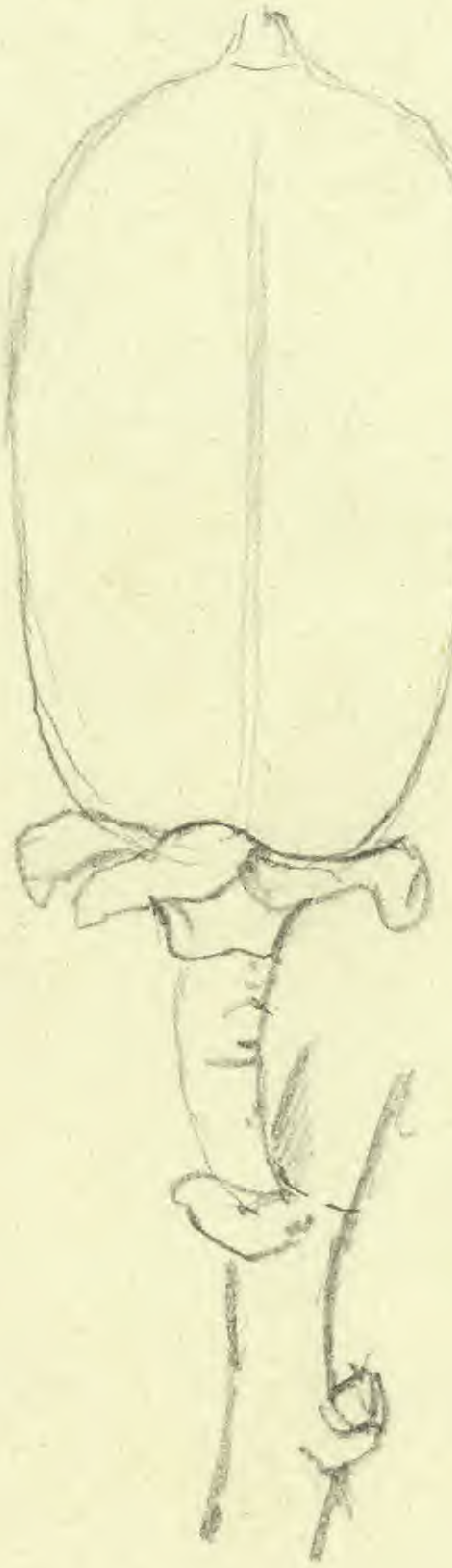
Abend bei Behr

8523

Yucca puberula Torrey

Schott Sonora ; June 28. 1855

Jan 24 1871



young fruit on a glabrous branch
erect on thick peduncle
evidently is placed here by
mistake — a capsule bearing
species!
Jan 1873

Seeds compressed
about 1 mm thick

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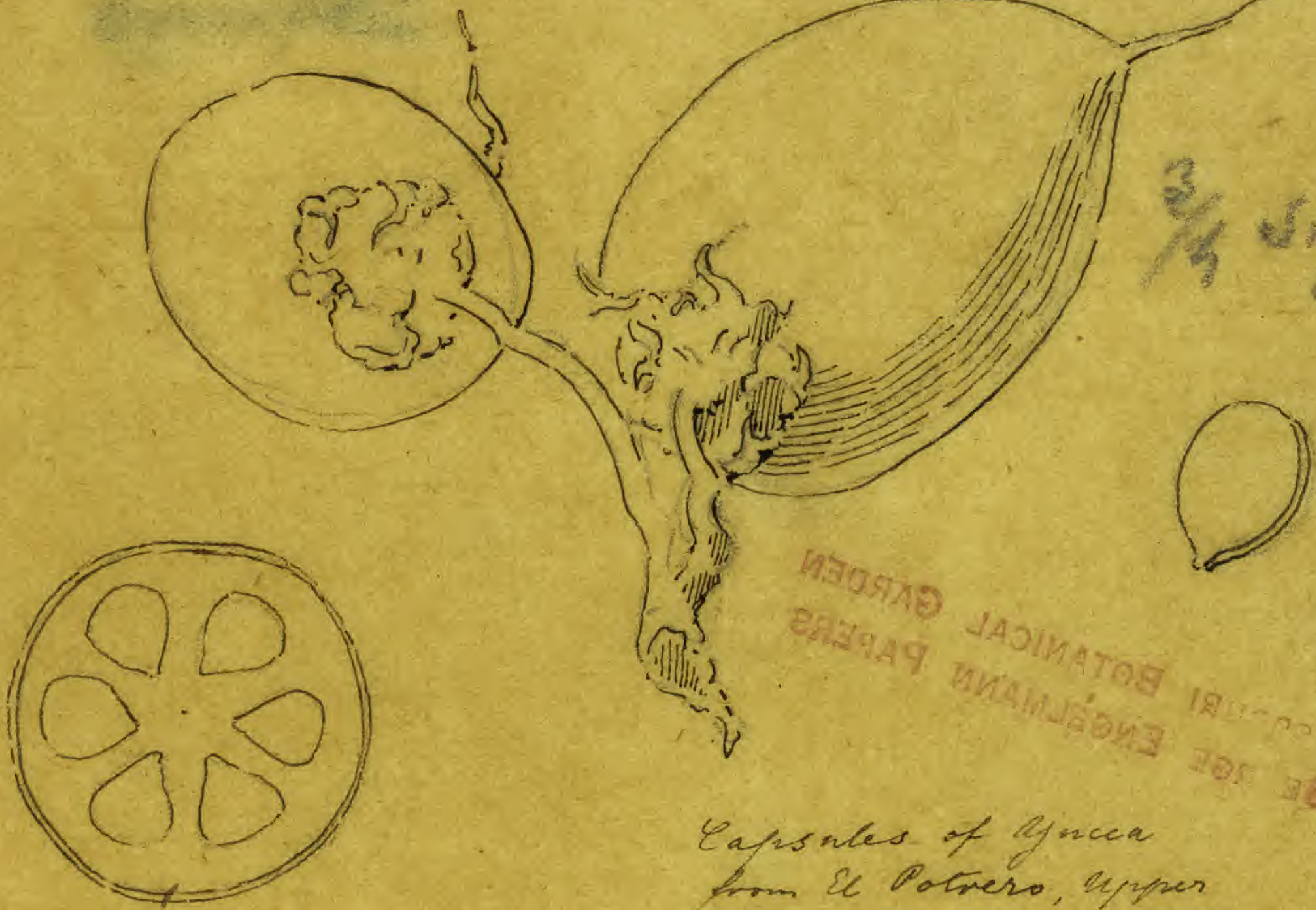
Leith & Corliss
DRUGGISTS
South-west Corner Fifth and Market Streets

Yucca puberula, Haw. Schottii

No.


3/4 Size

Capsules of Yucca from El Potrero, Upper Sonora.

A. Schott.

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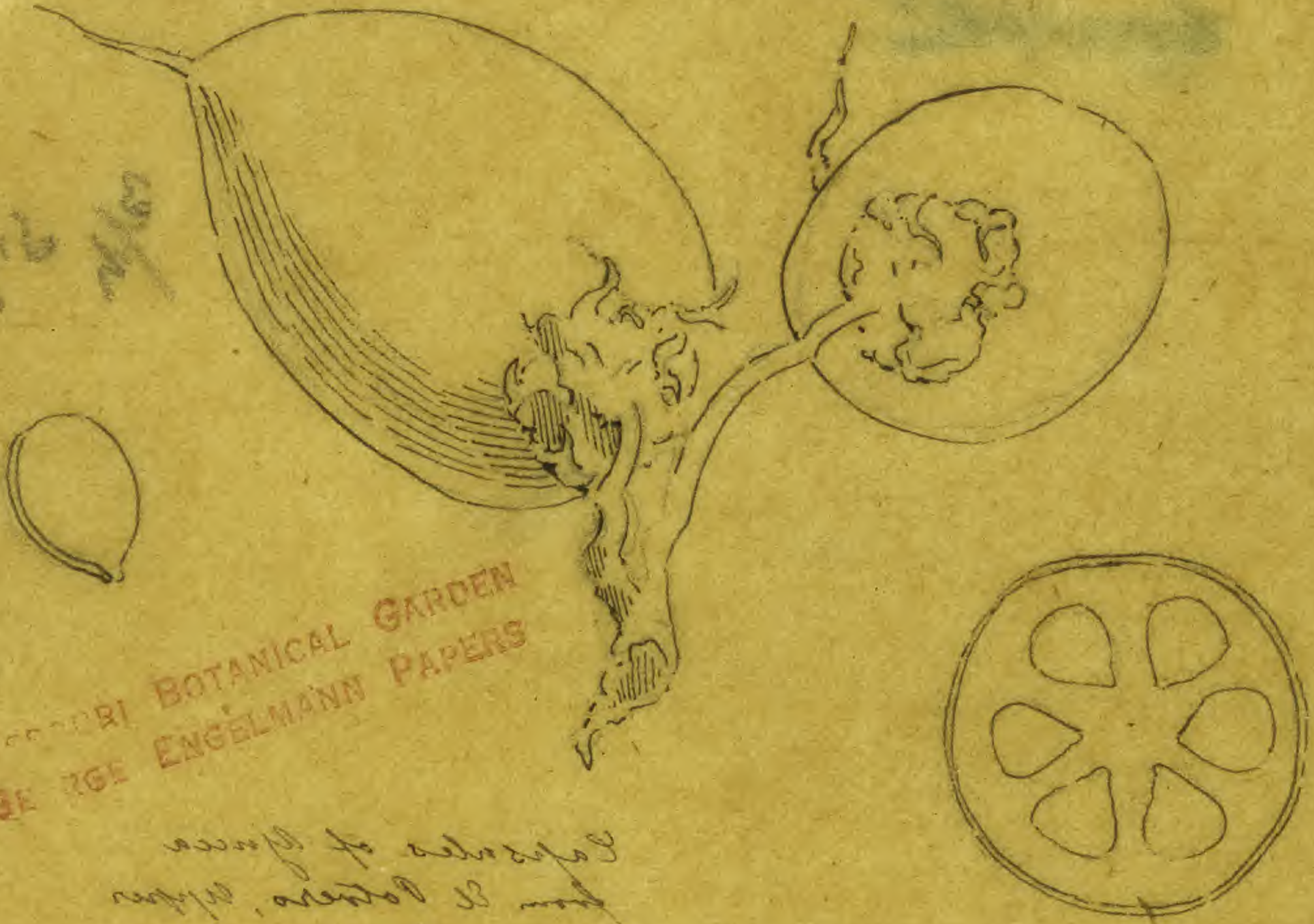

A Schott Feb 1870.

Schottii

Yucca ~~[illegible]~~ Engelm. 2

No 7. Yucca puberula, Haw. Stem from 2 to 5 feet high, thickly covered by the reflexed remnants of the old leaves. Leaves short from 6 to 8 inches long, 3/4 of an inch wide, ligneous thick and dry sharp pointed, yellowish green; Flowering scape not straight from 2 to 3 feet long the raceme occupying the upper 2 thirds; Raceme less densily branched than those of Nos 1 & 3; Fruit fleshy with an edible pulp called by the Sonorians „Datile." The Papago name „Sotol" applies to the plant.
Habitat Valley of the Upper Sta Cruz river and on the Sierra del Pajarito, Sonora.
See Sketches Nos 1 4 & 5.

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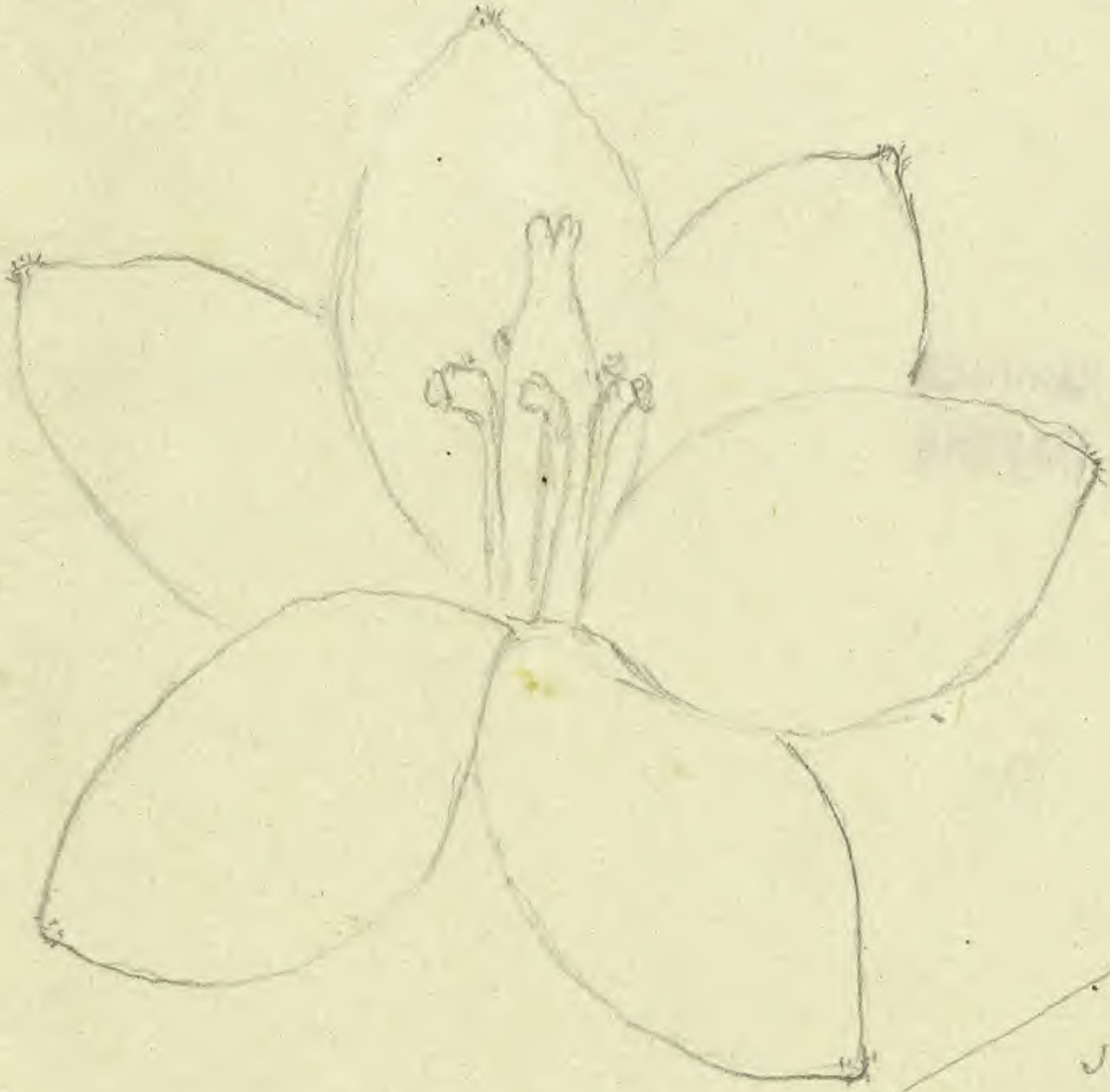
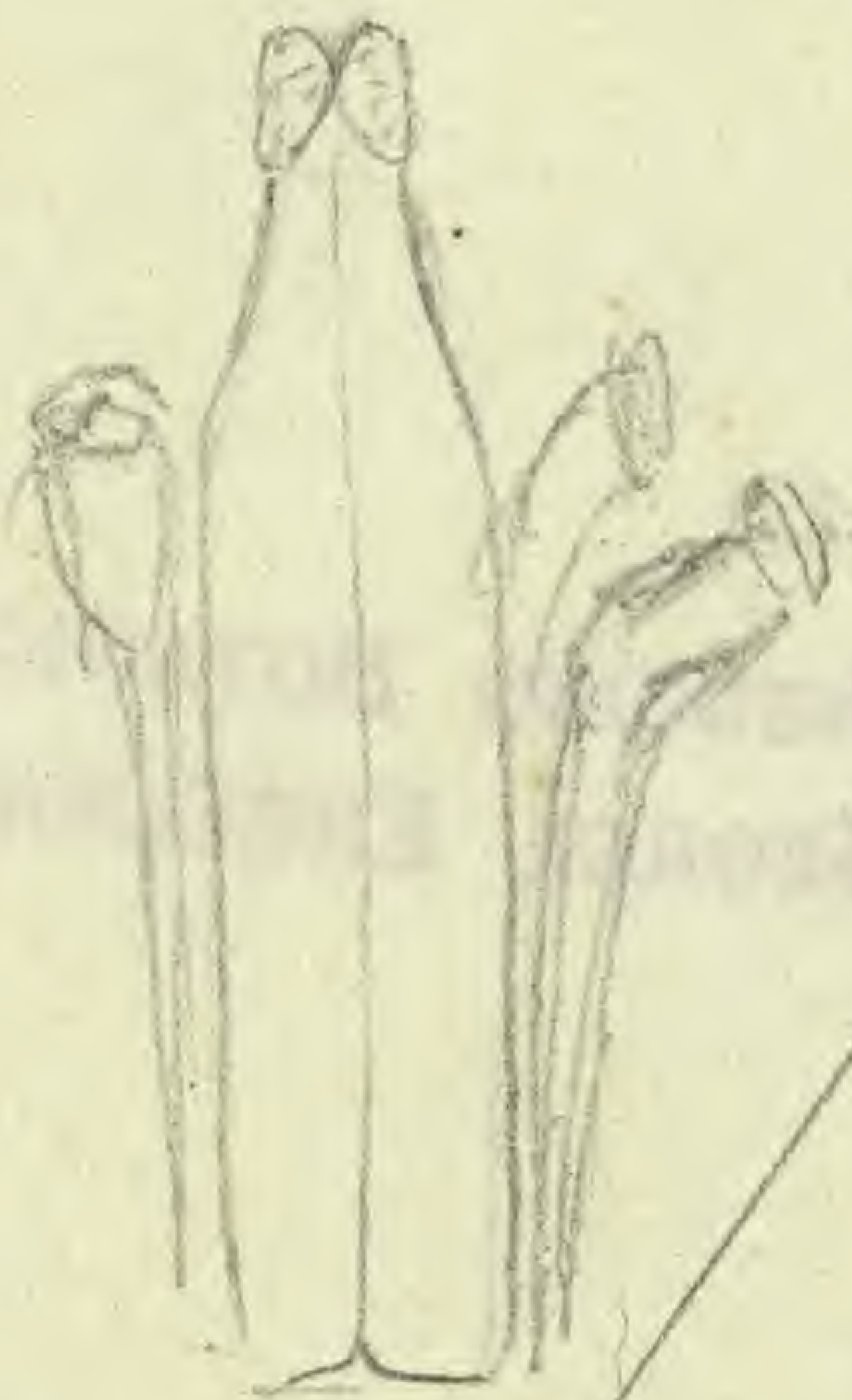
Yucca puberula Torrey Jan 11 1871

Sonora A Schott 1855 = Hb. Engelmann = Wislizenus 243

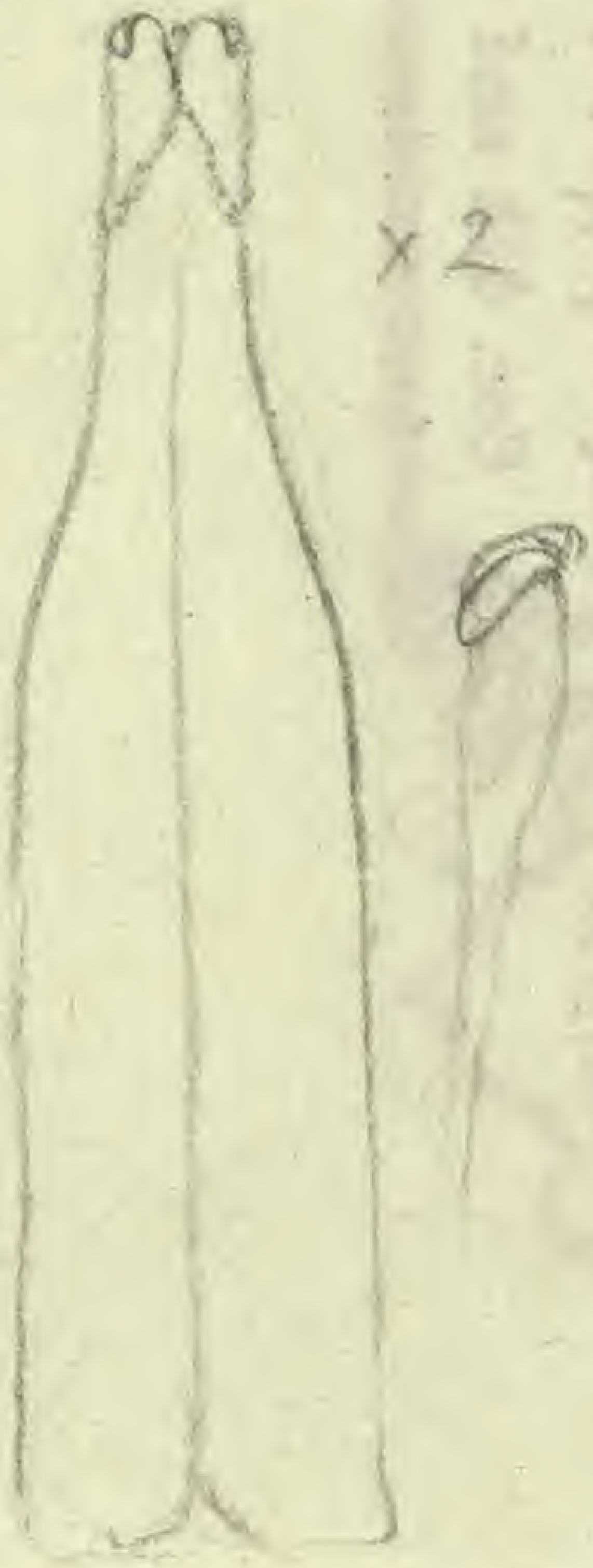


x 2



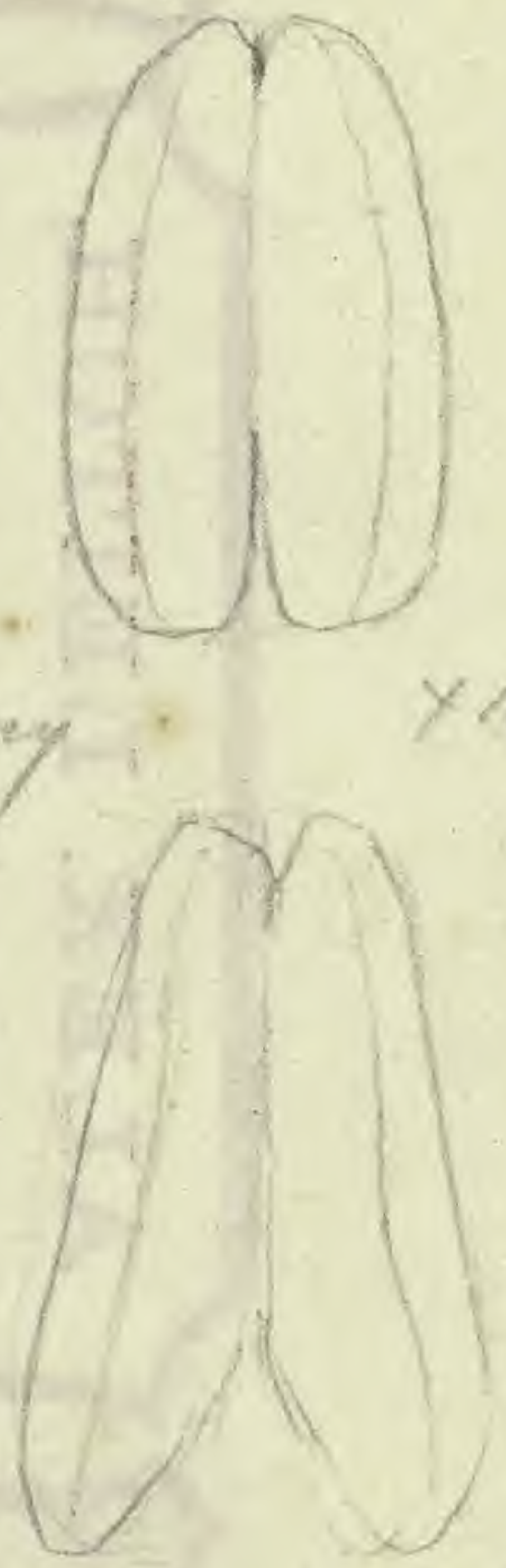
Jan 18 1871 in Hb Torrey

x 2



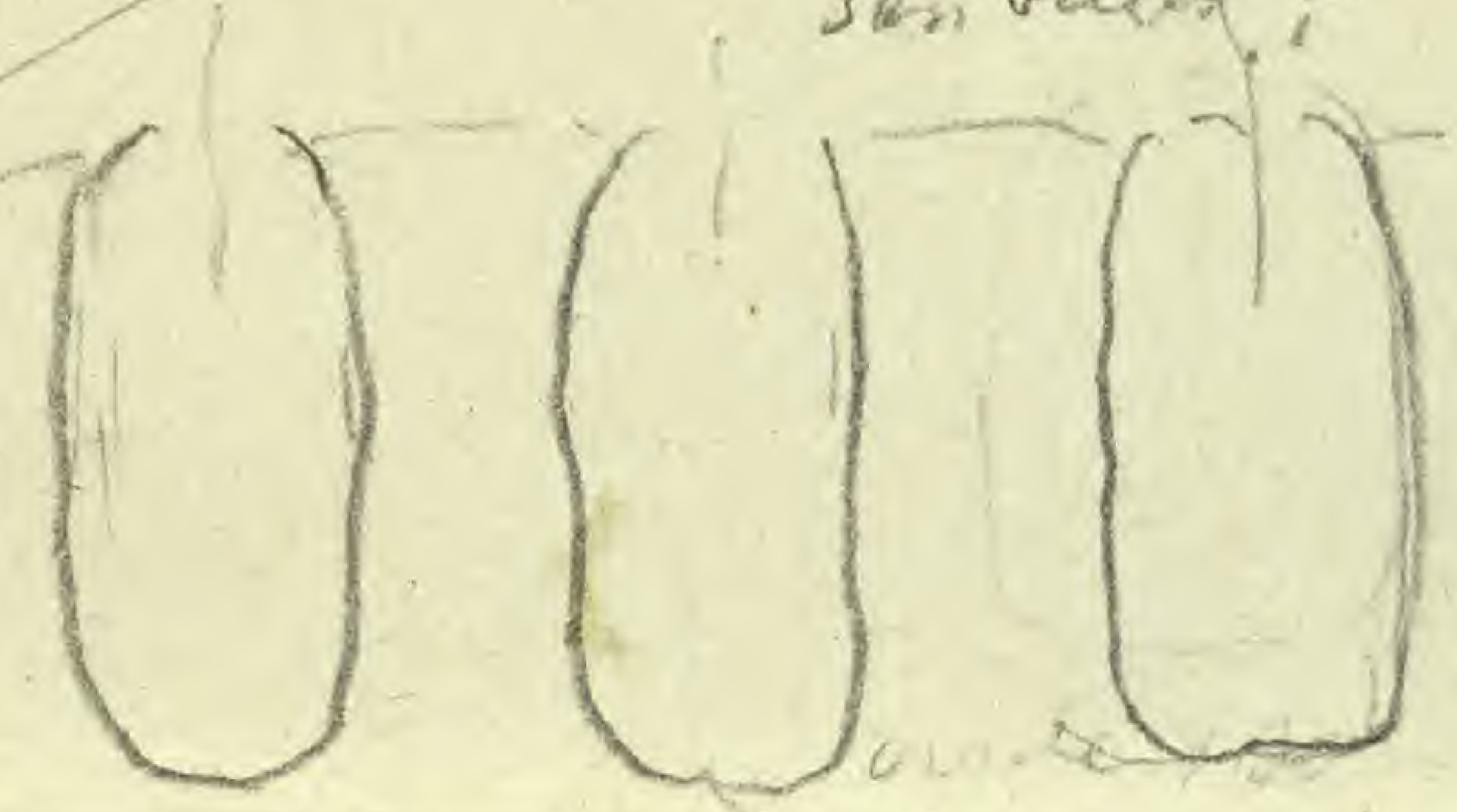
effete anther

x 10



anther from a bud

soaked ovules x30 shrivelled ?



ovules 0.44 or 0.3 mm

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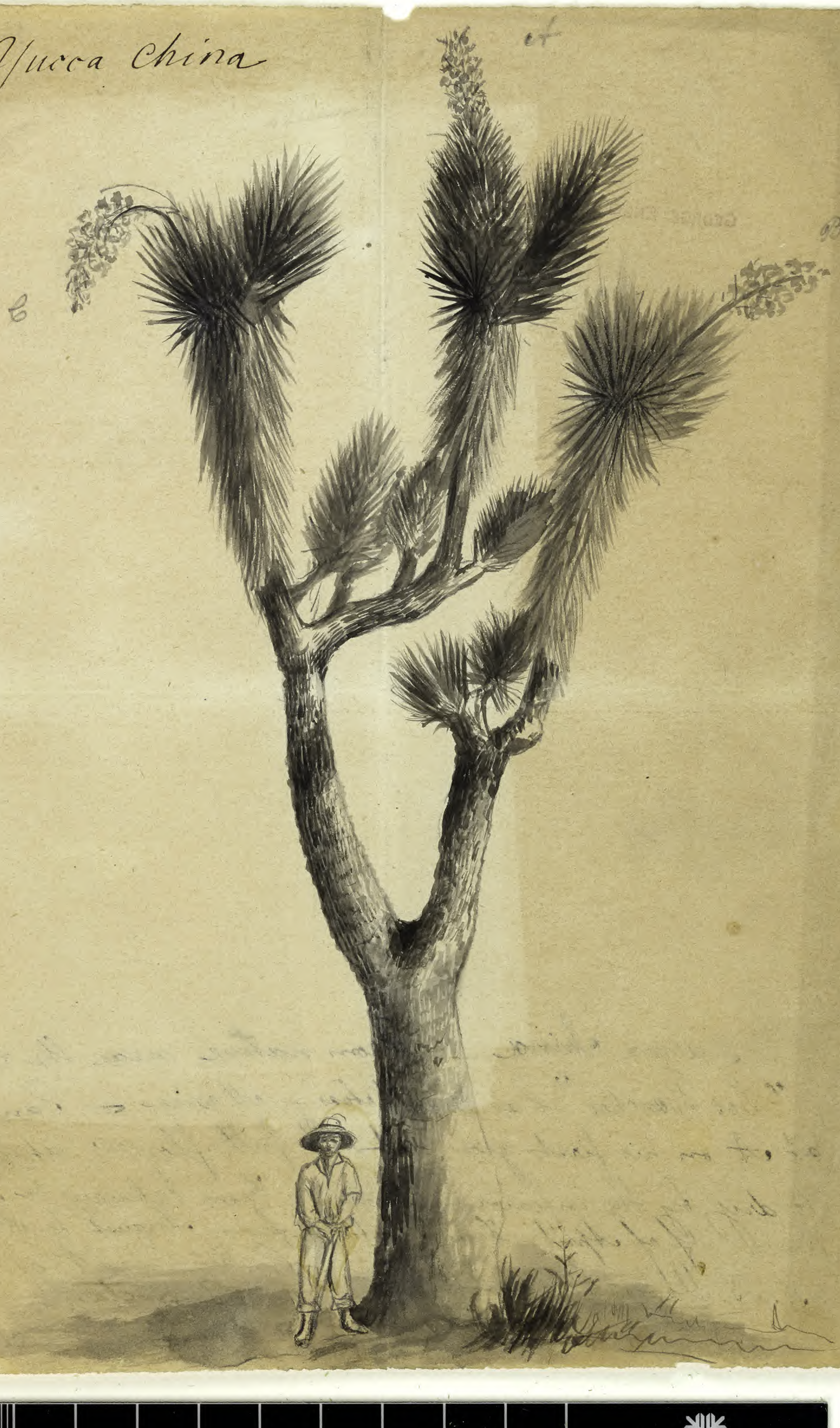
8527

CHEMIST.
A
ALEX. LEITCH,
APOTHECARY & CHEMIST,
Cor. 4th and Olive Sts., St. Louis.
ALL THE NEW REMEDIES CONSTANTLY ON HAND

Yucca China



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Palma china — From nature near the village "Los Ranchos" San Luis Potosí — Mexico — Panicle at A on his first grow, at B full flowers at C. begins to dry by the inferior flowers — From February to March & first half of April — Fruits eatable from August to November — G. B. — 1880.

N. B. flowers also eatable.

G. Barroeta

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G. Barroeta Sept 12 1879

I thought you knew that our Palma were
Palma China
great trees, great many have 30, to 35 feet high,
some others increase in diameter only and I
have seen the largest of about six feet diame-
ter, the shortest of one foot and a half — each
in full growth. The panicles grows erect and after
is dropping pendulous, (except in the species na-
med Palma loca the panicle remains allways
erect, but the fruit is little inclined.) In the
P. China
common Palms) the bunch of fruits (Datiles) is
something elegant and long about 3 feet. Now
I can get some fruits for send to you the
seeds: about the flowers I will give you
a good description the next spring: flowers
at the end of February.

8529

Rec S. Fran Oct 19
Ans — /20

Yucca China 161-4
can it be filifera
which [illegible] has "drooping panicles"

San Luis Potosi — Mexico
August 28th — 1880

My dear Dr Engelmann

An ophtalmy has forbidden me to answer in the time I wished to do

I think your description of "Palma china" is very exact and correct; you must see the illustration I have enclossed by this mail to Dr. Parry and what I say of it: here will enclose speciments of flowers and separately in a box — leaves and portions of panicles.

In respect to "Palma loca" I have only to rectify that, you say "Panicle elongated erect, and remaining so in fruiting, ~~but~~ fruit pendulous. I have better observed and fruit also remains erect, even dry, as it is in the specimen you must receive by this mail in the box, where I put panicles — portions of —, flowers and two fruits of Palma loca — fruits of Palma china you have before received, there are also some leaves of the loca, but with the larger leaves I will to prepare like a bundle to be sent separately. ~~the~~ the box enclosses also, leaves, flowers and pedoncles (in portions) of Palma china.

Flowers and bracteae of both Palms are eatable, I found a better taste in the china's. As the are in full bloom in February and March, it is one of the commoness aliments in

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Lent, poor people uses it with the name of Chichambas (pronounce in english Chēachōmbōs) the are first washed in pure water, and the larger bractea separated because of his bitter taste, boiled in a second water, and salted — or rosten and fritten with porc grease, or made like fritters with butter and eggs.

About the etimology of the names — Chino (pronounce Chēeno) or Rizo (pr. zeetho) means in english *curl frizzle* so the Palma china is like Frizzled palm, as we call also the "*Chou frissee* des francais Col de china or better Col china in this country — Palma loca, means a Palm found on the fields with great distances between each other. *Loca* in it true spanish acception means "a mad woman" but the common people here has used this word to explain the same thing as the french word *discrete* — So the french call *Verole confluent* contrary to *Verole discrete* that is *confluent small-pox* or *distinct small-pox*. You can well understand that *Palma loca* means like the French *Palme* discrete —

Fruit of both Palms are eatable and sold in the market from October to November. There are certainly two or three more kinds of palms I dint know if all ones where Yuccas or only similars, but the are to far of this

8530

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George Engelmann Papers

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San Luis Aug 28

city. the nearest I think is that of "de Sierra de Nola" repported by Dr Palmer. I have no specimens you I shall receive as soon as I got. Enclossed you must receive a photograpth of the forest of Palms in the rail road works between this place and Tampico. I suppose this to be that of Dr. Palmer's repport.

I have great pleassure to enclose the first flower of "Opuntia tunicata I have collected this year, I will not make any botanical description here, to give to you the absolute priority to do it. Full bloom is at the end of May and all the month of June, but open only twenty four hours. I enclosse also some specimens in the box and another one to Dr. Parry on his letter. I hope both you, must receive at the same time in your interesting trip to the West

Your splendid publication about the Genus Pinus, was duly received — Much obligged by this kindness. My translation of your paper on the G. Abies is not yet published, otherwise you would have received some copies

Perhaps this letter should be received in California, if so, be so kind as to present my kind regards to my esteemed friend and your relative Prof. Hilgard and his wiffe and children I

8331

remain very obligged by his cordial hospitality and sincere friendship, since my visit to Berkeley three years ago.

Every thing you wont according Palms Cactus etc you can order and inquire nevertheless my retard in answering your pleasant letters.

Meanwhile, believe me
very truly yours—

G. Barroeta

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